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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/018,502	02/25/2002	Kimmo Narkilahti	089229.00007	2649
32294 7590 08/14/2008 SQUIRE, SANDERS & DEMPSEY L.L.P. 8000 TOWERS CRESCENT DRIVE 14TH FLOOR VIENNA, VA 22182-6212				
EXAMINER KAMPURIA, SHARAD K				
ART UNIT		PAPER NUMBER		
2617				
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08/14/2008		PAPER		

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

# Office Action Summary

Application No.

10/018,502

Applicant(s)

NARKILAHTI ET AL.

Examiner

SHARAD RAMPURIA

Art Unit

2617

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☒ Responsive to communication(s) filed on 24 June 2008.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 1-24 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-24 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

## Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

## Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-946)
- 3) ☐ Information Disclosure Statement(s) (PTO/SF/ICE)  
Paper No(s)/Mail Date \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: \_\_\_\_\_

**DETAILED ACTION**

***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

This application currently names joint inventors. In considering patentability of the Claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various Claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each Claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

Claims 1-24 are rejected under 35 U.S.C. 103(a) as being unpatentable over Knight et al. [GB 2327175] in view of OWENSBY, CRAIG A. [US 20020077130 A1].

Regarding Claim 1, Knight discloses method for determining the behavior patterns of users of a telecommunication system on the basis of information collected from the telecommunication system, (Pg.1; 26-35), the method comprising;

Defining at least one variable or a combination of variables of the telecommunication, (Pg.4; 8-29)

Filtering user-specific information corresponding to the defined at least one variable or a combination of variables from the information collected from the telecommunication system, (Pg.4; 31-Pg.5; 34, Pg.3; 16-Pg.4; 6)

Knight fails to disclose classifying the users of the telecommunication system based on the filtered user-specific information into various classes indicative of a user's behavior patterns during use of the telecommunication system. However, OWENSBY teaches in an analogous art, that the classifying the users of the telecommunication system based on the filtered user-specific information into various classes indicative of a user's behavior patterns during use of the telecommunication system. (e.g. ¶ 0053, 0055, 0013-0015 and Abstract). Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention to include classifying the users of the telecommunication system based on the filtered user-specific information into various classes indicative of a user's behavior patterns during use of the telecommunication system in order to provide a system and method for providing targeted messages to a subscriber of a wireless mobile communications service.

Regarding Claim 2, Knight discloses a method according to Claim 1, characterized in that said user-specific information is filtered from the telecommunication system in real time. (Pg.4; 15-21)

Regarding Claim 3, Knight disclose a method according to Claim 1, characterized in that after said filtering of information the filtered information is saved (3; fig.1) for later analysis. (Pg.3; 20-24)

Regarding Claim 4-6, Knight discloses all the particulars of the Claim except after the classification; statistical analysis is carried out on the classified information. However, OWENSBY teaches in an analogous art, that a method according to Claim 1, characterized in that after the classification; statistical analysis is carried out on the classified information (§ 0053, 0055, 0013-0015 and Abstract).

Regarding Claim 7, Knight discloses the method of claim 1, wherein the classifying comprises classifying the users into the various classes indicative of a user's classes of behavior patterns defined in connection with the definition of variables (Pg.1; line 26-Pg.2; line 18, Pg.3; line 16-34).

Regarding Claim 8, Knight discloses all the particulars of the Claim except the definitions of the classes of behavior patterns used in the classification of users are changed. However, OWENSBY teaches in an analogous art, that a method according to Claim 1,

characterized in that the definitions of the classes of behavior patterns used in the classification of users are changed (§ 0053, 0055, 0013-0015 and Abstract).

Regarding Claim 9, Knight discloses all the particulars of the Claim except filtered unclassified information is classified into said new classes of behavior patterns. However, OWENSBY teaches in an analogous art, that a method according to Claim 8, characterized in that said filtered unclassified information is classified into said new classes of behavior patterns (§ 0053, 0055, 0013-0015 and Abstract).

Regarding Claim 10, Knight discloses a method according to Claim 1, characterized in that at least one of the variables is the type of contract of the user (Pg.3; 16-34).

Regarding Claim 11, Knight discloses a method according to Claim 1, characterized in that at least one of the variables is the type of system service. (Pg.3; 16-Pg.4; 6)

Regarding Claim 12, Knight disclose a method according to Claim 1, characterized in that said telecommunication system is a mobile communication system (1; fig.1; Pg.1; 7-10)

**Claims 13-18 system** claims, corresponding to **method** Claims 1-3, 9-10, 12 respectively, and rejected under the same rational set forth in connection with the rejection of Claims 1-3, 9-10, 12 respectively, above.

**Claims 19-24 system** claims, corresponding to **method** Claims 1-3, 9-10, 12 respectively, and rejected under the same rational set forth in connection with the rejection of Claims 1-3, 9-10, 12 respectively, above.

***Response to Amendments & Remarks***

Applicant's arguments filed on 06/24/2008 have been fully considered but they are not persuasive.

***Relating to Claim 1:***

In view of the fact, that **KNIGHT** teaches, "the user's call is treated based on the user's profile stored in the user's database in the telecommunication system." (Knight, Pg.1; line 26-Pg.2; line 18, Pg.3; line 16-34). Thus, it is evidently, the explanations above is directed to telecommunications systems and methods for the user's call is treated based on the user's profile stored in the user's database in the telecommunication system, that positively, edify by **KNIGHT**. Hence, it is believed that **KNIGHT** still teaches the claimed limitations.

The above arguments also recites for the other independent claims, consequently the response is the same explanation as set forth above with regard to claim 1.

Because the remaining claims depend directly/indirectly, from one of the independent claims discussed above, as a result the response is the same justification as set forth above.

With the intention of that explanation, it is believed and as enlighten above, the refutation are sustained.

***Conclusion***

Applicant's amendment (For illustration; since newly amended claims modified the above-disclosed rejection) necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sharad Rampuria whose telephone number is (571) 272-7870. The examiner can normally be reached on M-F. (8:30-5 EST).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dwayne Bost can be reached on (571) 272-7023. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.



Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000 or

[EBC@uspto.gov](mailto:EBC@uspto.gov).

/Sharad Rampuria/  
Primary Examiner  
Art Unit 2617